



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: \_\_\_\_\_, et al.

Serial No. To be assigned

Art Unit: 1625

Filed:

Examiner: Hoffman, Lexington A.

For: 4-OXO-1-(3-SUBSTITUTED  
PHENYL-1,4-DIHYDRO-1,8-NAPHTHYRIDINE-3-CARB  
OXAMIDE PHOSPHODIESTERASE-4 INHIBITORS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR 1.97**

Sir:

1. In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of patents, publications or other information which are requested to be made of record in this application. This Information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).

2. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

3. Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.

4. Pursuant to 37 C.F.R. 1.98 (a)(2)(ii), copies of each cited U.S. patent and each U.S. patent application publication are not enclosed herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date appearing below.

MERCK &amp; CO., INC.

By Ante Ray Date 8-5-06

**INFORMATION DISCLOSURE STATEMENT**

5. Pursuant to 37 C.F.R. 1.98(d), copies of references listed on the attached form that were submitted to or cited by the Office in a related application upon which the instant application relies for an earlier filing date under 35 U.S.C. 120 are not enclosed. Related application(s) in which references were submitted to or cited by the Office are as follows:

RELATED APPLICATION		
U. S. SERIAL NUMBER	FILING DATE	MERCK CASE

If this is inconvenient, additional copies will be submitted upon request.

6. In accordance with 37 C.F.R. 1.97, (check one)

- ☐ the attached information is filed within three months of the filing date of the captioned case.
- ☐ the attached information is filed more than three months after the filing date but prior to the mailing of a first Office Action on the merits.
- ☐ the attached information is filed before the mailing of a first Office action after the filing of a request for continued examination under §1.114.
- ☒ the attached information is being filed more than three months after the filing date and after the mailing of a first Office Action on the merits, but before the mailing date of a Final Action, Notice of Allowance, or an action that otherwise closes prosecution in the application. The enclosed authorization is therefore given to charge Deposit Account No. 13-2755 for the fee required under 37 C.F.R. 1.17(p).
- ☐ each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- ☐ each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart application *and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the information disclosure statement.*
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated under 37 C.F.R. 1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,

  
 By: Curtis C. Panzer

Attorney \_\_\_\_\_ For Applicant(s)

Reg. No. 33,752

MERCK & CO., INC.

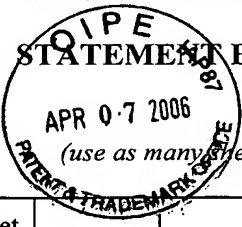
Patent Dept., RY60-30

P.O. Box 2000

Rahway, N.J. 07065-0907

(732)594-3199

Date: April 5, 2006

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <div style="text-align: center;">  </div>			<b>COMPLETE IF KNOWN</b>		
			Application Number	To be assigned	
			Filing Date		
			First Named Inventor	Dube, et al.	
			Group Art Unit		
			Examiner Name		
Sheet	1	of	2	Attorney Docket Number	MC073YP

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
		US 5,817,670		Yamanouchi Pharmaceutical Co., Ltd.	10/06/1998
		US 5,753,666		Chiroscience Limited	05/19/1998
		US 4,284,629		Bayer Aktiengesellschaft	08/18/1981
		US 5,631,256		The Procter & Gamble Company	05/20/1997

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office	Number	Kind Code (if known)		

Examiner Signature	Date Considered
--------------------	-----------------

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE

## STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

**COMPLETE IF KNOWN****Application Number**

To be assigned

**Filing Date****First Named Inventor**

Dube, et al.

Group Art Unit

Examiner Name

Sheet

2

of

2

Attorney Docket Number

MC073YP

## NON PATENT LITERATURE DOCUMENTS

Examiner  
Initials\*Cite  
No.

**Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.**

Compton, et al., "Cilomilast, a Selective Phosphodiesterase-4 Inhibitor for Treatment of Patients with Chronic Obstructive Pulmonary disease: A Randomised, Dose-Ranging Study", *The Lancet*, Vol. 358, pp. 265-270, 2001

Rabe, et al., " Roflumilast-An Oral Anti-Inflammatory Treatment For Chronic Obstructive Pulmonary Disease: A Randomised Controlled Trial", The Lancet, Vol. 366, pp. 563-571, 2005

Rose, et al., "Phosphodiesterase Inhibitors for Cognitive Enhancement", *Current Pharmaceutical Design*, Vol. 11, pp. 3329-3334, 2005

Examiner  
Signature

Date  
Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450. Computer generated form "IDS Form" (IDS Folder), Merck & Co., Inc., -7/12/2005